
## SARC RADIO NET NUMBERS / CHECK-INS

**Weekly HF Dawn Patrol – ?** - For week ending Thur 29DEC2022.
**Monday – ?**
**Tuesday – 4**
**Wednesday – ?**
**Thursday- (Quad Bander) (**We decided to give the new VK2RNR repeater, Mallanganee, a run this week and also being the final net [repeater wise] for 2022. - Dave VK2ZDR)
**- 4** – 2 metres Woodburn.
**- 4** – 6m Parrots Nest.
**- 5** - 2m (VK2RNR).
**- 5** – 70cm Parrots Nest.
**Friday 80m (After Dark Net) – 3** (Dave VK2ZDR ran this final SARC Net for the 2022 year. Only 3 on the net, but 2 others were listening using kiwi-sdr)

**SARC nets and times:** https://sarc.org.au/nets-broadcasts/

## CALENDAR NOTES & LINKS <

Events of interest to SARC are in **BLUE**
Other events of interest to our subscribers are in **GREEN**

**ROSS HULL MEMORIAL VHF/UHF CONTEST:**
https://www.wia.org.au/members/contests/rosshull/
**ARRL RTTY ROUND-UP:** http://www.arrl.org/rtty-roundup
**DARC 10M SSB/CW:**
https://www.contestcalendar.com/contestdetails.php?ref=223
**YB DX CONTEST:** https://ybdxcontest.com/
**VK SUMMER VHF/UHF FIELD DAY:**
https://www.wia.org.au/members/contests/vhfuhf/
**SARC OPEN DAY:** https://sarc.org.au/event/sarc-open-day/

## UPCOMING EVENTS

See links below

**ROSS HULL MEMORIAL VHF/UHF CONTEST**
JAN 01st - JAN 31st

**ARRL RTTY ROUND-UP**
JAN 7th 1800 UTC – 8th 2359 UTC

**COMMITTEE MEETING**
JAN 8th @ 13:00-16:00 hrs

**DARC 10M SSB/CW**
JAN 8th 0900 UTC - 1059 UTC

**YB DX CONTEST**
JAN 14th 0000 UTC – 2359 UTC

**KV SUMMER VHF/UHF FIELD DAY**
JAN 14th 0100 UTC - 15th 0059 UTC

**SARC OPEN DAY**
JAN 15th @ 09:00 – 14:00

## News Flash…. VK2RNR operational - de Duncan VK2DLR

The Hogarth Range 2M Repeater (VK2RNR) is operational.

VK2RNR operates with an output frequency of 147.050 MHz, +600 kHz offset and a 123 Hz CTCSS tone. The RX is a bit down because only one of the three RX cavities could be tuned. Graeme VK2QJ is taking a look at them.

Location: Hogarth Range Lat: -28.901655 Lon: 152.82003 Loc: QG61JC Height: 325 m AHD

Signal / Coverage reports to VK2SRC or Rob VK2ELH would be appreciated.

## Tuesday-Net Report - de Duncan VK2DLR

Email to editor: Hello Peter, since I have been in Adelaide, I don't have any digi net report for you. Duncan will have a fill in piece. The only net I have been on has been the Thursday one. Dave VK2ZDR will send in the details and also the numbers for Friday. I had high SWR and didn't stay around on Friday 80 metres.

Back to normal next week.
Cheers (from) Paul VK2AMT

# TUESDAY 27 DECEMBER, 2022

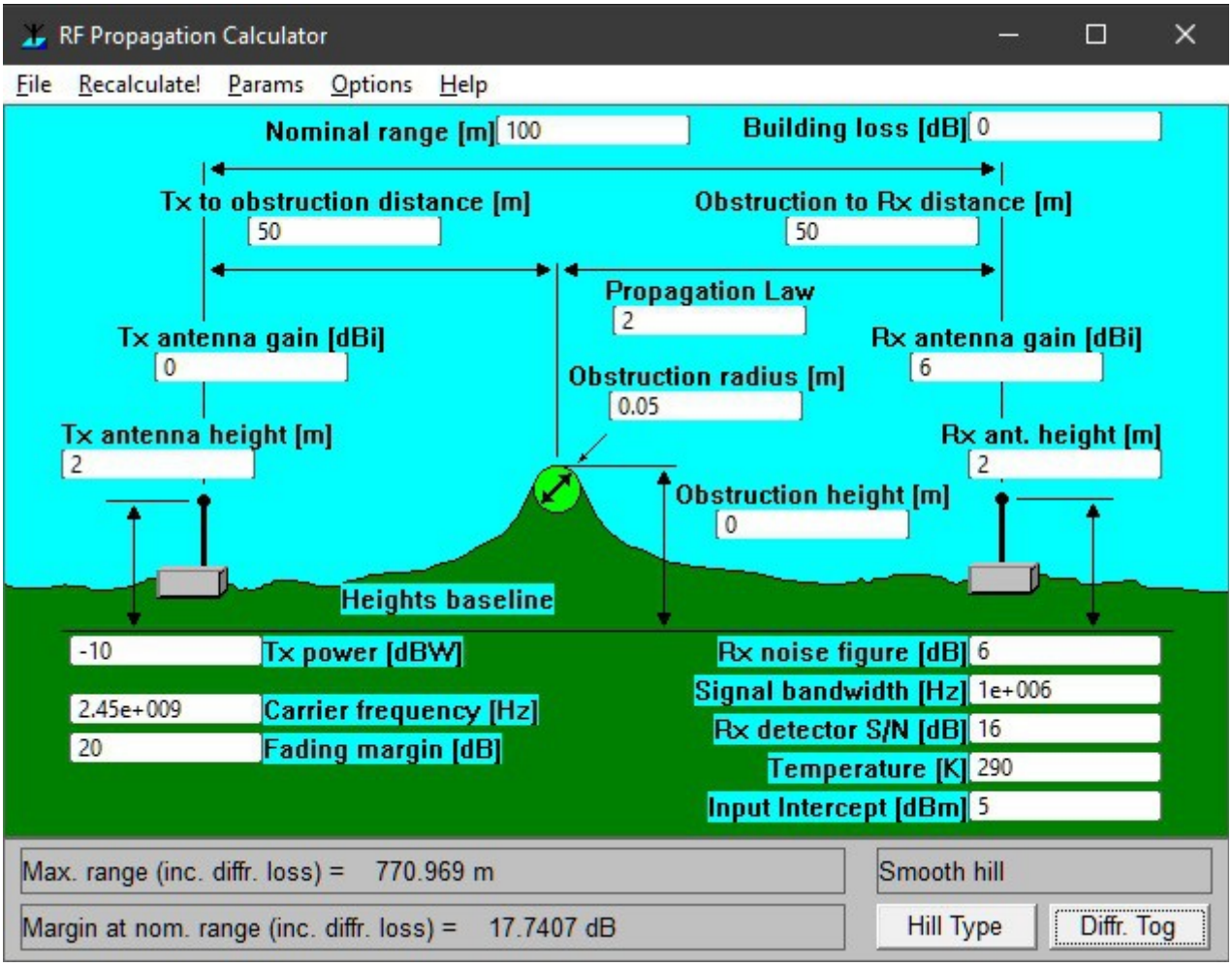
On Tuesday Duncan VK2DLR, Jeff VK2WSR, John VK2ZJJ and Rob VK2ELH logged in on the 2m Woodburn repeater. Part of the net revolved around sourcing replacement items for household / camping equipment that needed to be replaced. The collective range of knowledge and familiarity with the most obscure items is amazing. The other interesting topic was Rob's update on the progress on the Hogarth Range Range Repeater (147.050 +600kHz offset, 123 Tone).

Equipment failures conspired again to cause the digital part of the net to be abandoned again. Is it the Festive season or is the technology sending us a message?

Instead of a report on the Diginet here is a review of some great software by Colin Seymour G4NAA.

## Review of Colin Seymour's RF Propagation Calculator

Colin Seymour has updated his RF Propagation Calculator to Version 1.3.




The program does more than just calculate VHF/UHF line of site path loss. It includes the ability to include the loss caused by an obstruction. A number of TX and RX parameters can be changed along with the usual frequency and distance parameters.

To quote from the program's own description.."RFProp is a Windows propagation calculator for the transmission path between an RF transmitter and a receiver. It is aimed mainly at free-space and space-wave applications, such as are encountered in VHF, UHF and microwave communications, and also in satellite communications. A knife-edge diffraction calculation is also included which when enabled allows the effects of a hill or other obstruction to be taken into account. ". Seriously good freeware.

Got your Backup?

IT Help Desk: How can I help?
Irate PC user: My PC says that my hard disk is faulty
IT Help Desk: Oh dear. Have you got your backup?
Irate PC user: Got my back up? I'll say. I'm furious...

Oh for nice easy to use backup software. I get furious when my backup software renders my PC close to useless when running or when it backs things up into some secret squirrel format that only their software can read.

G4NAA to the rescue. Colin Seymour has also written BackupCat. I've only been using BackupCat for about a week but it's already risen to the top of the pile. It simply works well and sits quietly in the background and backs up the stuff unobtrusively to a place I choose (an external drive) and it's in the original format so I can check what's there and what's not. Once again to quote the software's own words..”Do you wish there was a easy-to-use application that could keep your data files backed up as you worked, without having to manually update the backup every time? Or would you like to be able to install a backup system for someone else (e.g. family member, friend, employee) who might not otherwise want to be bothered with making backups, so that it gets done automatically for them? BackupCat has been designed to satisfy those needs!”..

Here's Colin's home page: https://colinjs.com/index.htm Just follow the link to his Software Page. Thank you Colin Seymour G4NAA. No PR puff, just great software waiting for your discovery.

de Duncan VK2DLR

## OTHER INTERESTING BITS Click on the 4 images below to open.





Continued...

## 6-DAY LISMORE (FORECAST). Click image to open METEYE (2480 for East Lismore).


**Forecast for East Lismore**

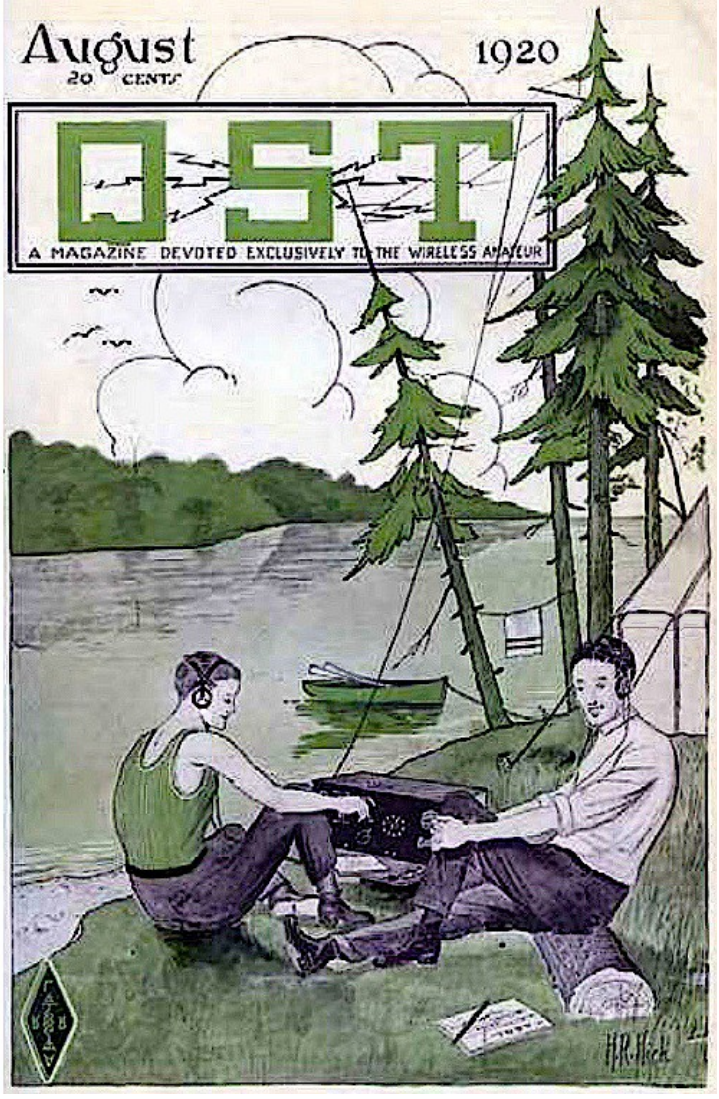
| | Tue. 3 Jan | Wed. 4 Jan | Thu. 5 Jan | Fri. 6 Jan | Sat. 7 Jan | Sun. 8 Jan |
|---|---|---|---|---|---|---|
| Max (°C) | 31 | 34 | 25 | 25 | 25 | 25 |
| Min (°C) | 15 | 16 | 19 | 16 | 16 | 16 |
| Chance of rain (%) | 10 | 40 | 80 | 50 | 60 | 30 |
| Rainfall range (mm) | 0 | 0 to 5 | 0 to 20 | 0 to 3 | 0 to 2 | 0 to 1 |

## SARC FESTIVE FUN PAGES - Peter VK2PAH

I hope the the pages have entertained you over the last few weeks. After this issue my time goes back to normal, like most of us. That is, that the fun pages will show the usual amount of weekly fun, or frustration, whichever way you wish to perceive them :-)

## SPOT THE DIFFERENCES

The right image has 10 alterations. Can you spot them?


ANS: https://drive.google.com/file/d/18qMB3MK-hWz9O2li7qSylJjtjiqTbbpV/view?usp=share_link

# SARC HAM RADIO MATCH UPS

Here is a list of common ham radio words and phrases. Work out each one is and find the missing words in the grid of letters. The letters left will spell out a hidden message.

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M | C | M | A | T | C | H | E | A | D | A | E | C | N | U | O | P | Y | Y |
| P | H | O | O | U | R | N | K | N | E | R | O | T | I | C | A | P | A | C |
| O | A | R | W | S | O | Y | N | H | C | T | I | W | S | G | U | L | P | E |
| L | R | S | A | H | T | R | I | B | T | N | E | R | R | U | C | A | E | T |
| A | T | E | P | O | S | N | S | W | E | R | C | S | S | I | G | N | O | E |
| R | E | F | I | R | E | O | A | L | P | H | A | B | E | T | L | O | L | L |
| I | E | T | F | T | T | I | D | W | V | A | C | U | U | M | L | O | I | N |
| T | C | L | A | T | R | T | F | I | H | S | M | R | A | F | H | R | W | O |
| Y | O | I | H | T | N | A | E | B | O | X | E | Y | R | D | E | A | E | I |
| P | W | I | R | A | S | T | N | L | O | F | T | D | B | I | V | C | E | S |
| E | L | V | D | C | E | S | D | S | I | A | E | U | F | E | N | N | L | E |
| R | S | A | E | A | U | E | T | L | I | U | R | I | R | E | R | E | I | Y |
| O | E | A | M | P | R | I | T | E | R | S | T | D | R | A | L | A | B | L |
| T | R | N | H | P | A | E | T | U | T | C | T | E | R | C | T | N | O | P |
| S | E | Y | O | P | R | T | B | D | E | G | F | O | Y | A | D | I | M | P |
| I | H | M | B | Z | O | B | O | R | D | F | E | C | R | E | F | O | O | U |
| S | P | M | E | R | E | W | A | L | I | T | N | O | R | F | R | J | T | S |
| E | S | U | A | R | R | A | Y | D | E | B | O | U | N | C | E | I | I | U |
| R | N | D | T | E | K | E | Y | M | C | H | A | R | G | E | R | S | W | M |

ANTENNA F_____M (4)
CRIMPING _____ (4)
_____ (7) DIAGRAM
BANANA _____ (4)
M_____ (5) CODE
DIRECT _____ (7)
BAND _____N (4)
DOPPLER _____ (5)
_____ (3) CELL
BASE _____ (7)
DUCT _____ (4)
BLACK _____ (3)
_____ (5) LOAD
BRIDGE _____ (9)
DUTY _____ (5)
CALL _____ (4)
V_____ (6) TUBE
FIELD-EFFECT _____ (10)
TRICKLE _____ (7)
TROPO_____ (6)
FIELD _____ (3)

GAMMA _____ (5)
F_____ (5) END
GRUB _____ (5)
NEON _____ (4)
HEAT _____ (4)
_____ (5) PATCH
POTENTIAL _____ (10)
FIELD STRENGTH _____ (5)
FLIP _____ (4)
_____ (6) SCATTER
MOON _____ (6)
_____ (5) BLANKER
NOTCH _____ (6)
_____PHONES (4)
TURNS _____ (5)
_____ (5) SHACK
SILENT _____ (3)
PRINTED CIRCUIT _____ (5)
ZERO _____ (4)
REVERSE _____ (8)
OHM'S _____ (3)

PEDESTRIAN _____ (6)
PHASED _____ (5)
WIRE WOUND _____ (8)
_____ (6) DUCKY
OUT OF _____ (5)
TONE _____ (5)
SEARCH AND _____ (6)
POWER _____Y (6)
ROTARY _____ (6)
_____T (4) POINT
GUY _____ (4)
S_____ (5) CIRCUIT
SKIP _____ (4)
TANTALUM _____ (9)
PHONETIC _____ (8)
SMITH _____ (5)
_____ (6) WICK
SOLID _____ (5)
SQUARE _____ (4)
THROUGH-_____ (4) CONSTRUCTION
SLIM _____ (3)

HIDDEN MESSAGE: _____

MATCH UP ANS: https://drive.google.com/file/d/1O_QZ5NzEdXPjOgD8G_XCqs6yqKrf_LTs/view?usp=share_link

FIND WORDS ANS: https://drive.google.com/file/d/1evBz7OKY-L4OsHZYr891KuALJDMrRLK8/view?usp=share_link

# OFFICIAL CONVERSION CHART

## HOW TO INTERPRET ANTIQUE RADIO ADS

| IF IT SAYS: | IT REALLY MEANS: |
|---|---|
| Rare model | Nobody liked them when new either |
| Older restoration | Can't tell it's been restored |
| Needs a fuse | I can't find the short circuit |
| Uses low power | Transmitter is blown |
| No scratches or rust | Cabinet is missing |
| Rough | It's too bad to lie about |
| One owner | Never been able to sell |
| No time to complete | Can't find parts anymore |
| Needs tuning | Coils are gone or damaged |
| Rebuilt circuitry | Has new fuse |
| Updated circuitry | Has transistors instead of valves |
| May work | But it never has |
| Low noise | Finals don't work |
| Many new parts | Keeps breaking down |
| Clean | It got wiped down yesterday |
| Best offer | About what I expect to get |
| Always worked on QRP | Won't go any higher |
| Stored 25 years | In electronics scarp yard |
| Real show stopper | Has a LED light |
| Easy restoration | All parts break off in hand |
| Ready to show | Just cleaned it |
| Sounds good | With Rf filters |
| Good investment | Can't depreciate any more |

# MIX 'N' MATCH

Place the left and right letters with the middle letters to form nine new words

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | E | R | F | | | |
| | | | D | W | I | | | |
| | | | P | S | T | | | |
| | | | A | S | I | | | |
| | | | R | I | F | | | |
| | | | R | O | W | | | |
| | | | R | T | W | | | |
| | | | E | D | A | | | |
| | | | U | N | D | | | |

CLA, WAT, IMP, LOO, BAN, PAR, GRO, SHO, MIC

NCE, AVE, ING, ALL, DTH, IER, AVE, TIC, ICK

ANS: https://drive.google.com/file/d/190V5eKKKAPH6eK23YEzrT5eB82rACdHg/view?usp=share_link